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- Teki, Y., K. Itoh, A. Okada, H. Yamakage, T. Kobayashi, K. Amaya, S. Kurokawa, S. Ueno and Y. Miura, Magnetic properties of stable N-[(dichlorophenyl)thio]-2,4,6-triphenylphenylaminyl and N-[(dichlorophenyl)thio]-2,4,6-tris(chlorophenyl)phenylaminyl radical crystals 270 (1997) 573
- Teramae, H., see Imhof, R. 270 (1997) 500
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- Thiesemann, H. and C.A. Taatjes, Temperature dependence of the reaction $C_2H(C_2D) + O_2$ between 295 and 700 K 270 (1997) 580
- Tokue, I., T. Kawai and K. Yamasaki, Rotational excitation of ions produced by the $He(2^3S)$ Penning ionization of CO and N_2 270 (1997) 587
- Tokunaga, F., see Chosrowjan, H. 270 (1997) 267
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- Verbandt, Y., H. Thienpont, I. Veretennicoff, P. Geerlings and G.L.J.A. Rikken, Origin of the saturation of the third-order optical nonlinear response of one-dimensional conjugated systems 270 (1997) 471
- Veretennicoff, I., see Verbandt, Y. 270 (1997) 471
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- Vijayalakshmi, K., C.P. Safvan, G. Ravindra Kumar and D. Mathur, On the ionization and dissociation of NO_2 by short intense laser pulses 270 (1997) 37
- Vogel, H.-P., see Helm, R.M. 270 (1997) 285
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- Walser, D., T. Plakhotnik, A. Renn and U.P. Wild, One- and two-photon spectroscopy on single molecules of diphenyloctatetraene 270 (1997) 16
- Webb, N., see Gadd, G.E. 270 (1997) 108
- Weng, Y.-X., H. Xiao, K.-C. Chan and C.-M. Che, Oscillations in a laser-induced chemical reaction: coupling of chemical reactions with an acoustic effect 270 (1997) 315
- Wild, U.P., see Walser, D. 270 (1997) 16
- Wintterlin, J., see Barth, J.V. 270 (1997) 152
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- Wörgötter, R., V. Grill, Z. Herman, H. Schwarz and T.D. Märk, Low energy reactive and dissociative collisions of the acetone cation $CH_3COCH_3^+$ and its fragment ion CH_3CO^+ with a surface 270 (1997) 333
- Wu, G., Global topological approach to highly excited vibration: a case study of H_2O , CH_2Br_2 and CD_2Br_2 270 (1997) 453
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